Bandela Prathyusha

Final year CSE undergraduate
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ACADEMIC PROFILE

Education	Institute	Year	Marks
Bachelor of Technology in CSE.	Indian Institute of Technology Jodhpur	2012-*	8.43 (SPI-9.0 In 6th sem)
Higher Secondary School (XII)	Narayana Junior College, Hyderabad	2012	97.30%
Board of Secondary Education(X)	St. John's High School, Hyderabad.	2010	93.16%

* - Expected to be completed in 2016

INTERNSHIP

Ather Energy   [Current]

- Worked on Embedded Firmware development, ported the Android operating system on to the development board
- Building of android system by building own android images, booted the target system using these images
- Developed the applications required for the user-vehicle interaction i.e., android applications to access sensors and to communicate with the USB devices

ACADEMIC PROJECTS

Food Understanding from Digital Images

- Building a flexible system to extract features and to classify food images using standard established datasets and applying this to Indian datasets.
- This system is used for medical purposes for monitoring dietary system of individuals

Design/Clone of graphical model of Train Traffic Simulator (Java)

- Implemented an efficient algorithm to schedule the arrival and departure of trains on the available platforms
- Modelled a GUI platform for this and used SQL database to store schedule, details of trains

Multiuser chat Application (Java)

- Developed a multi-client Server chat application using sockets (java socket programming)
- Support for features like user-signup, user-login, File transfer, save chat history to a file. Clients can send messages(or files) to a single person or to all the clients who are actively connected to the server

Simulation of CPU Scheduler (C)

- Simulated a CPU scheduler which creates and schedules the processes which run concurrently
- Analyzed the performance of various scheduling algorithms (FCFS, SJF, Priority based, Round Robin etc.,)

Virtual Memory Management

- Simulated virtual memory management, analyzed the performance using various page replacement techniques
- These techniques uses pure demand paging technique with and without pre-paging feature

Library Management System (C++)

- Implemented a fully functional library management system with features involving issue, re-issue and renewal of books.
- It is done with efficient file handling and used "Splay trees", so that most recent accesses gets easier

Design of micro-Facebook

- A report on the algorithms for Search Engine and News Feed , techniques, representations used for social networking site Facebook

TECHNICAL SKILLS

- Programming Languages: C , C++ , Java
- Database :   MySQL, Oracle
- Engineering Software :   Matlab

SCHOLASTIC ACHIEVEMENTS

- Ranked among the top 0.66% of 1.1 million aspirants for AIEEE 2012
- Selected for Central Sector Scheme of Scholarship for college and University students for the year 2012-2013

POSITIONS OF RESPONSIBILITIES & EXTRA-CURRICULAR ACTIVITIES

- Girl's Hospitality coordinator in Annual inter-college National Sports-fest **VARCHAS'14 at IIT JODHPUR.**
- Assistant- coordinator of Public Relations and Hospitality in Annual inter-college National Techno-Cult-fest **IGNUS'14 at IIT JODHPUR.**
- Volleyball player in **Inter IIT sports meet** 2012, 2013 & 2014, national level tournaments participated by all IIT's across India, won silver and Bronze medals consecutively in National Sports-fest **Varchas**